

#19

1644

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/08/991,628A DATE: 05/04/2000
 TIME: 06:23:57

Input Set : A:\HAR001DV.txt
 Output Set: N:\CRF3\05042000\H991628A.raw

3 <110> APPLICANT: STROMINGER, Jack L
 4 WUCHERPFENNIG, Kai
 6 <120> TITLE OF INVENTION: IDENTIFICATION OF SELF AND NON-SELF ANTIGENS IMPLICATED
 7 IN AUTOIMMUNE DISEASE
 9 <130> FILE REFERENCE: HAR-001DV
 11 <140> CURRENT APPLICATION NUMBER: 08/991,628A
 12 <141> CURRENT FILING DATE: 1997-11-05
 14 <150> PRIOR APPLICATION NUMBER: USNN 08/400,796
 15 <151> PRIOR FILING DATE: 1995-03-07
 17 <160> NUMBER OF SEQ ID NOS: 21
 19 <170> SOFTWARE: PatentIn Ver. 2.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 15
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
 26 <400> SEQUENCE: 1
 27 Ala Thr Gln Lys Ile Thr Tyr Arg Ile Ser Gly Val Gly Ile Asp
 28 1 5 10 15
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 15
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 2
 37 Phe Gly Ile Phe Val Val Asp Lys Asn Thr Gly Asp Ile Asn Ile
 38 1 5 10 15
 41 <210> SEQ ID NO: 3
 42 <211> LENGTH: 15
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Homo sapiens
 46 <400> SEQUENCE: 3
 47 Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala
 48 1 5 10 15
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 15
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Homo sapiens
 56 <400> SEQUENCE: 4
 57 Thr Pro Met Phe Leu Leu Ser Arg Asn Thr Gly Glu Val Arg Thr
 58 1 5 10 15
 61 <210> SEQ ID NO: 5
 62 <211> LENGTH: 15
 63 <212> TYPE: PRT
 64 <213> ORGANISM: Homo sapiens
 66 <400> SEQUENCE: 5
 67 Cys Glu Cys Asn Ile Lys Val Lys Asp Val Asn Asp Asn Phe Pro
 68 1 5 10 15
 71 <210> SEQ ID NO: 6

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/991,628A

DATE: 05/04/2000
TIME: 06:23:58

Input Set : A:\HAR001DV.txt
Output Set: N:\CRF3\05042000\H991628A.raw

72 <211> LENGTH: 15
73 <212> TYPE: PRT
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 6
77 Ser Ala Arg Thr Leu Asn Asn Arg Tyr Thr Gly Pro Tyr Thr Phe
78 1 5 10 15
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 15
83 <212> TYPE: PRT
84 <213> ORGANISM: Homo sapiens
86 <400> SEQUENCE: 7
87 Gln Ser Gly Thr Met Arg Thr Arg His Ser Thr Gly Gly Thr Asn
88 1 5 10 15
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 15
93 <212> TYPE: PRT
94 <213> ORGANISM: Herpes simplex
96 <400> SEQUENCE: 8
97 Phe Arg Gln Leu Val His Phe Val Arg Asp Phe Ala Gln Leu Leu
98 1 5 10 15
101 <210> SEQ ID NO: 9
102 <211> LENGTH: 15
103 <212> TYPE: PRT
104 <213> ORGANISM: Adenovirus type 12
106 <400> SEQUENCE: 9
107 Asp Phe Glu Val Val Thr Phe Leu Lys Asp Val Leu Pro Glu Phe
108 1 5 10 15
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 15
113 <212> TYPE: PRT
114 <213> ORGANISM: Pseudomonas aeruginosa
116 <400> SEQUENCE: 10
117 Asp Arg Leu Leu Met Leu Phe Ala Lys Asp Val Val Ser Arg Asn
118 1 5 10 15
121 <210> SEQ ID NO: 11
122 <211> LENGTH: 15
123 <212> TYPE: PRT
124 <213> ORGANISM: Human Papillomavirus type 7
126 <400> SEQUENCE: 11
127 Ile Gly Gly Arg Val His Phe Phe Lys Asp Ile Ser Pro Ile Ala
128 1 5 10 15
131 <210> SEQ ID NO: 12
132 <211> LENGTH: 15
133 <212> TYPE: PRT
134 <213> ORGANISM: Epstein-Barr virus
136 <400> SEQUENCE: 12
137 Thr Gly Gly Val Tyr His Phe Val Lys Lys His Val His Glu Ser
138 1 5 10 15
141 <210> SEQ ID NO: 13

RAW SEQUENCE LISTING DATE: 05/04/2000
 PATENT APPLICATION: US/08/991,628A TIME: 06:23:58

Input Set : A:\HAR001DV.txt
 Output Set: N:\CRF3\05042000\H991628A.raw

W--> 208 Xaa His Xaa Xaa Lys
 209 1 5
 212 <210> SEQ ID NO: 18
 213 <211> LENGTH: 6
 214 <212> TYPE: PRT
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
 219 sequence motif
 221 <220> FEATURE:
 222 <221> NAME/KEY: VARIANT
 223 <222> LOCATION: (1)
 224 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or
 225 Met
 227 <220> FEATURE:
 228 <221> NAME/KEY: VARIANT
 229 <222> LOCATION: (2)
 230 <223> OTHER INFORMATION: Xaa at position 2 is either Val, Leu, Ile, Ala, or
 231 Met
 233 <220> FEATURE:
 234 <221> NAME/KEY: VARIANT
 235 <222> LOCATION: (3)
 236 <223> OTHER INFORMATION: Xaa at position 3 is either His, Asn, Gln, or Phe
 238 <220> FEATURE:
 239 <221> NAME/KEY: VARIANT
 240 <222> LOCATION: (5)
 241 <223> OTHER INFORMATION: Xaa at position 5 is either Phe, Tyr, Trp, Val,
 242 Leu, Ile, Ala, or Met
 244 <220> FEATURE:
 245 <221> NAME/KEY: VARIANT
 246 <222> LOCATION: (6)
 247 <223> OTHER INFORMATION: Xaa at position 6 is either Lys or Arg
 249 <400> SEQUENCE: 18
 W--> 250 Xaa Xaa Xaa Phe Xaa Xaa
 251 1 5
 254 <210> SEQ ID NO: 19
 255 <211> LENGTH: 5
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
 261 sequence motif
 263 <220> FEATURE:
 264 <221> NAME/KEY: VARIANT
 265 <222> LOCATION: (1)
 266 <223> OTHER INFORMATION: Xaa at position 1 is either Phe, Tyr, Trp, Val,
 267 Leu, Ile, Ala, or Met
 269 <220> FEATURE:
 270 <221> NAME/KEY: VARIANT

RAW SEQUENCE LISTING DATE: 05/04/2000
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Input Set : A:\HAR001DV.txt
 Output Set: N:\CRF3\05042000\H991628A.raw

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271 <222> LOCATION: (2)
272 <223> OTHER INFORMATION: Xaa at position 2 is either His, Asn, Gln, or Phe
274 <220> FEATURE:
275 <221> NAME/KEY: VARIANT
276 <222> LOCATION: (4)
277 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,
278 Leu, Ile, Ala, or Met
280 <220> FEATURE:
281 <221> NAME/KEY: VARIANT
282 <222> LOCATION: (5)
283 <223> OTHER INFORMATION: Xaa at position 5 is either Lys or Arg
285 <400> SEQUENCE: 19
OK--> 286 Xaa Xaa Phe Xaa Xaa
287 1 . 5
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 5
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
297 sequence motif
299 <220> FEATURE:
300 <221> NAME/KEY: VARIANT
301 <222> LOCATION: (1)
302 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or
303 Met
305 <220> FEATURE:
306 <221> NAME/KEY: VARIANT
307 <222> LOCATION: (2)
308 <223> OTHER INFORMATION: Xaa at position 2 is either His, Phe, Tyr, or Trp
310 <220> FEATURE:
311 <221> NAME/KEY: VARIANT
312 <222> LOCATION: (3)
313 <223> OTHER INFORMATION: Xaa at position 3 is either Phe, Tyr, Trp, Val,
314 Leu, or Ile
316 <220> FEATURE:
317 <221> NAME/KEY: VARIANT
318 <222> LOCATION: (4)
319 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,
320 Leu, or Ile
322 <400> SEQUENCE: 20
OK--> 323 Xaa Xaa Xaa Xaa Lys
324 1 . 5
327 <210> SEQ ID NO: 21
328 <211> LENGTH: 6
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 05/04/2000
PATENT APPLICATION: US/08/991,628A TIME: 06:23:59

Input Set : A:\HAR001DV.txt
Output Set: N:\CRF3\05042000\H991628A.raw

L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21



Creation date: 12-01-2003

Indexing Officer: DDERBY - DAVID DERBY

Team: OIPEBackFileIndexing

Dossier: 08991628

Legal Date: 12-21-2000

No.	Doccode	Number of pages
1	XT/	4

Total number of pages: 4

Remarks:

Order of re-scan issued on